

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|---|------------------|
| 1 | 57 | plasma same ((forming adj gas) with (NH3 ammonia "NH.sub.3") with (nitrogen N2 "N.sub.2")) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/11/01 13:30 |
| 2 | 47 | plasma with ((forming adj gas) with (NH3 ammonia "NH.sub.3") with (nitrogen N2 "N.sub.2")) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/11/01 13:30 |
| 3 | 8 | plasma with ((forming adj gas) near2 (NH3 ammonia "NH.sub.3") near2 (nitrogen N2 "N.sub.2")) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/11/01 13:32 |
| 4 | 39 | (plasma with ((forming adj gas) with (NH3 ammonia "NH.sub.3") with (nitrogen N2 "N.sub.2")))) not (plasma with ((forming adj gas) near2 (NH3 ammonia "NH.sub.3") near2 (nitrogen N2 "N.sub.2")))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/11/01 13:42 |
| 5 | 10 | (plasma same ((forming adj gas) with (NH3 ammonia "NH.sub.3") with (nitrogen N2 "N.sub.2")))) not (plasma with ((forming adj gas) with (NH3 ammonia "NH.sub.3") with (nitrogen N2 "N.sub.2")))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/11/01 13:42 |
| 6 | 14 | (US-6335542-\$ or US-5980770-\$ or US-6017779-\$ or US-5989943-\$ or US-6614098-\$ or US-6034419-\$ or US-5925577-\$ or US-5981398-\$ or US-6207583-\$ or US-5973387-\$ or US-5569356-\$ or US-5221424-\$ or US-6350670-\$).did. or (US-20010008803-\$).did. | USPAT; US-PGPUB | 2004/11/01 14:08 |
| 7 | 4 | ((US-6335542-\$ or US-5980770-\$ or US-6017779-\$ or US-5989943-\$ or US-6614098-\$ or US-6034419-\$ or US-5925577-\$ or US-5981398-\$ or US-6207583-\$ or US-5973387-\$ or US-5569356-\$ or US-5221424-\$ or US-6350670-\$).did. or (US-20010008803-\$).did.) and HF | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/11/01 14:18 |
| 8 | 510 | ((HF hydrogen adj fluoride) with (nitrogen N2 "N.sub.2") with (etch\$3 plasma)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/11/01 14:26 |
| 10 | 53 | ((HF hydrogen adj fluoride) with (nitrogen N2 "N.sub.2") with (etch\$3 plasma)) and etch\$3 near (low-k low interlayer dielectric) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/11/01 14:39 |
| 9 | 3 | ((HF hydrogen adj fluoride) with (nitrogen N2 "N.sub.2") with (etch\$3 plasma)) and (HF hydrogen adj fluoride) near (nitrogen N2 "N.sub.2") near (etch\$3 plasma) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/11/01 14:29 |
| 11 | 82 | ((HF hydrogen adj fluoride) with (nitrogen N2 "N.sub.2") with (etch\$3 plasma)) and anisotropic\$4 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/11/01 14:30 |
| 12 | 18 | (((HF hydrogen adj fluoride) with (nitrogen N2 "N.sub.2")) with (etch\$3 plasma)) and etch\$3 near (low-k low interlayer dielectric)) and anisotropic\$4 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2004/11/01 14:30 |

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|----|--------|--|---|------------------|
| 13 | 35 | ((HF hydrogen adj fluoride) with (nitrogen N2 "N.sub.2") with (etch\$3 plasma)) and etch\$3 near (low-k low interlayer dielectric) not (((HF hydrogen adj fluoride) with (nitrogen N2 "N.sub.2") with (etch\$3 plasma)) and (HF hydrogen adj fluoride) near (nitrogen N2 "N.sub.2") near (etch\$3 plasma)) (((HF hydrogen adj fluoride) with (nitrogen N2 "N.sub.2") with (etch\$3 plasma)) and etch\$3 near (low-k low interlayer dielectric)) and anisotropic\$4)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/11/01 15:14 |
| - | 60467 | etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:04 |
| - | 649733 | ((ammonia NH3 "NH.sub.3") ((hydrogen H2 "H.sub.2") and (nitrogen N2 "N.sub.2")) AND (fluorine F2 "F.sub.2")) ((hydrogen H2 "H.sub.2") and (NF3 "NF.sub.3" nitrogen adj trifluoride nitrogentrifluoride)) ((nitrogen N2 "N.sub.2") and ((HF hydrogen adj fluoride fluorocarbon hydrofluorocarbon fluorinated adj hydrocarbon fluorocarbon CF))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 14:54 |
| - | 15751 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and (((ammonia NH3 "NH.sub.3") ((hydrogen H2 "H.sub.2") and (nitrogen N2 "N.sub.2")) AND (fluorine F2 "F.sub.2")) ((hydrogen H2 "H.sub.2") and (NF3 "NF.sub.3" nitrogen adj trifluoride nitrogentrifluoride)) ((nitrogen N2 "N.sub.2") and ((HF hydrogen adj fluoride fluorocarbon hydrofluorocarbon fluorinated adj hydrocarbon fluorocarbon CF)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 14:50 |
| - | 5 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((ammonia NH3 "NH.sub.3") near2 (fluorine F2 "F.sub.2"))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:12 |
| - | 33 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((ammonia NH3 "NH.sub.3") with (fluorine F2 "F.sub.2"))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 14:57 |
| - | 443 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((hydrogen H2 "H.sub.2") and (nitrogen N2 "N.sub.2")) and (fluorine F2 "F.sub.2")) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 15:22 |
| - | 23 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((hydrogen H2 "H.sub.2") near2 (nitrogen N2 "N.sub.2")) near2 (fluorine F2 "F.sub.2")) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 15:23 |
| - | 13 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((hydrogen H2 "H.sub.2") near (NF3 "NF.sub.3" nitrogen adj trifluoride nitrogentrifluoride)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:06 |
| - | 25 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((hydrogen H2 "H.sub.2") near2 (NF3 "NF.sub.3" nitrogen adj trifluoride nitrogentrifluoride)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:11 |

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|--|--|-----|--|---|------------------|
| | | 38 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((hydrogen H2 "H.sub.2") with (NF3 "NF.sub.3" nitrogen adj trifluoride nitrogentrifluoride)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:11 |
| | | 57 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((hydrogen H2 "H.sub.2") with (NF3 "NF.sub.3" nitrogen adj trifluoride nitrogentrifluoride)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:11 |
| | | 59 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((hydrogen H2 "H.sub.2") with (nitrogen N2 "N.sub.2") with (fluorine F2 "F.sub.2"))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:11 |
| | | 101 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((hydrogen H2 "H.sub.2") with (nitrogen N2 "N.sub.2") with (fluorine F2 "F.sub.2"))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:11 |
| | | 82 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((ammonia NH3 "NH.sub.3") with (fluorine F2 "F.sub.2"))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:12 |
| | | 131 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((nitrogen N2 "N.sub.2") and ((HF hydrogen adj fluoride))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:13 |
| | | 8 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((nitrogen N2 "N.sub.2") near2 ((HF hydrogen adj fluoride))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:13 |
| | | 22 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((nitrogen N2 "N.sub.2") with ((HF hydrogen adj fluoride))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:16 |
| | | 14 | ((etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((nitrogen N2 "N.sub.2") with ((HF hydrogen adj fluoride)))) not ((etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((nitrogen N2 "N.sub.2") near2 ((HF hydrogen adj fluoride)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:14 |
| | | 62 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((nitrogen N2 "N.sub.2") with ((HF hydrogen adj fluoride))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:16 |
| | | 9 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((nitrogen N2 "N.sub.2") near2 ((HF hydrogen adj fluoride))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:18 |
| | | 276 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((nitrogen N2 "N.sub.2") and (fluorocarbon hydrofluorcarbon fluorinated adj hydrocarbon fluorocarbon CF)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:19 |

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|--|--|----|--|---|------------------|
| | | 66 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((nitrogen N2 "N.sub.2") with (fluorocarbon hydrofluorcarbon fluorinated adj hydrocarbon fluorocarbon CF)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:19 |
| | | 30 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((nitrogen N2 "N.sub.2") near2 (fluorocarbon hydrofluorcarbon fluorinated adj hydrocarbon fluorocarbon CF)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:19 |
| | | 27 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((nitrogen N2 "N.sub.2") near2 (fluorocarbon hydrofluorcarbon fluorinated adj hydrocarbon fluorocarbon CF)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:19 |
| | | 9 | (etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((nitrogen N2 "N.sub.2") near (fluorocarbon hydrofluorcarbon fluorinated adj hydrocarbon fluorocarbon CF)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:21 |
| | | 21 | ((etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((nitrogen N2 "N.sub.2") near2 (fluorocarbon hydrofluorcarbon fluorinated adj hydrocarbon fluorocarbon CF)) not ((etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma with ((nitrogen N2 "N.sub.2") near (fluorocarbon hydrofluorcarbon fluorinated adj hydrocarbon fluorocarbon CF))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:24 |
| | | 36 | ((etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((nitrogen N2 "N.sub.2") with (fluorocarbon hydrofluorcarbon fluorinated adj hydrocarbon fluorocarbon CF)) not ((etch\$3 and (hybrid composite \$2organic/\$2organic \$2organic-\$2organic organic near2 inorganic)) and plasma same ((nitrogen N2 "N.sub.2") near2 (fluorocarbon hydrofluorcarbon fluorinated adj hydrocarbon fluorocarbon CF))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/10/19 16:24 |